

THERMAL SYSTEMS

VisionXC

The reliable Reflow Soldering System
for your production!





Established since 1990, Rehm company has successfully been a leading position in the European and Global Market for its Extraordinary Quality Standard and Know-how in design and manufacturing of modern Reflow-Convection-Soldering Systems. Equipped with our experience, **VisionXC** is specially designed for the Mid-sized Manufacturer, that can at the same time provide productivity, quality and a well balanced technology with the best price-performance level.

Simply. More. **Ideas.**

1.

Low investment costs.

Your advantage at a glance
of the **VisionXC**:

3.

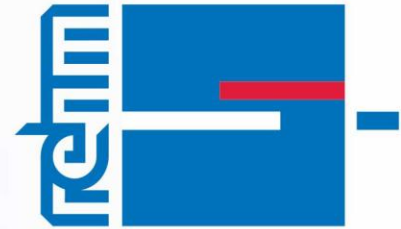
Best thermal stability for reliable
soldering results.

Low maintenance expenses and
lowest „Cost-of-Ownership”.

2.

VisionXC

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THERMAL SYSTEMS

System Advantages

- **Reliable Process for lead and leadfree soldering**
- **Ideal heat transfer**
- **Low maintenance expenses**
- **Lowest „cost of ownership“**

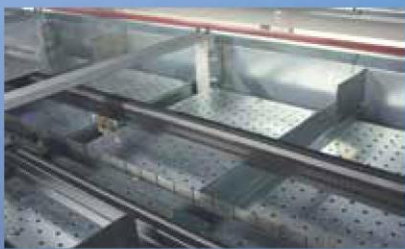


Simply. More. **Reliability.**

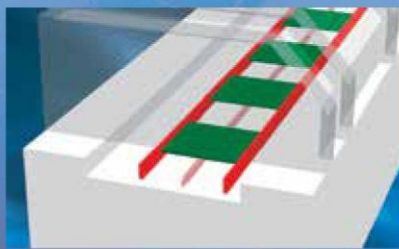
The Transport System

Due to our secure transport system and the arrangement of the transport mechanism outside of the process chamber you receive a stable process while reducing maintenance expenses and machine downtime.

The optionally available centre support makes it possible to process large panel formats – an additional advantage for flexible manufacturing!



Transport mechanism



Single Lane Transport



Center Board Support

**A reliable transport system
for highest process stability!**



Single lane transport with
center board support

Smallest ΔT

Ideal heat transfer

Heat transfer has been significantly optimized for the **VisionXC** through the use of two, three or four peak zones. Minimal distance between the nozzle panels and the conveyor, as well as separately adjustable flow rates for the upper and lower heating zones, assure that the PCBs are heated up in an extremely uniform fashion. Stressing within the PCBs is thus minimized, and related soldering defects are reduced.

The Cooling Zone

Stress-free cooling

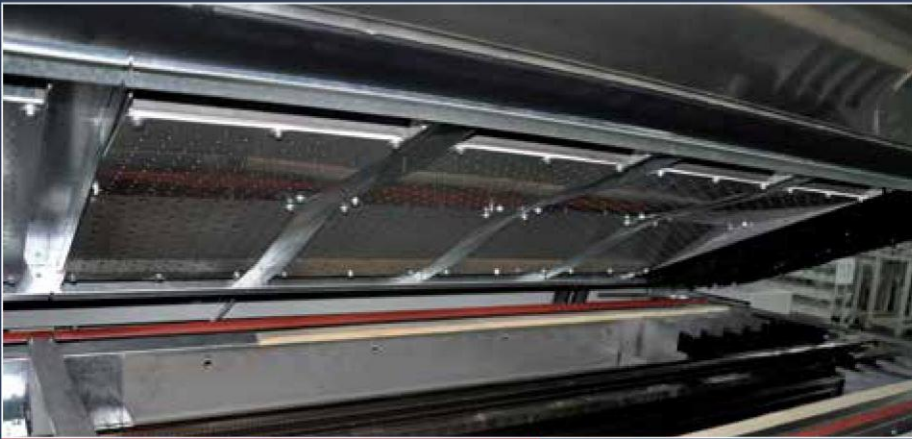
Depending upon the length of the system, the cooling tract in the **VisionXC** nitro is laid out in 1- to 4 stages. The fans in the individual zones, which can be controlled separately as an option, allow for accurate control, and cooling gradients can be correspondingly influenced. This assures stress-free cooling for your PCBs, for lead-free soldering as well.



VisionXC

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Simply. More. **Experience.**



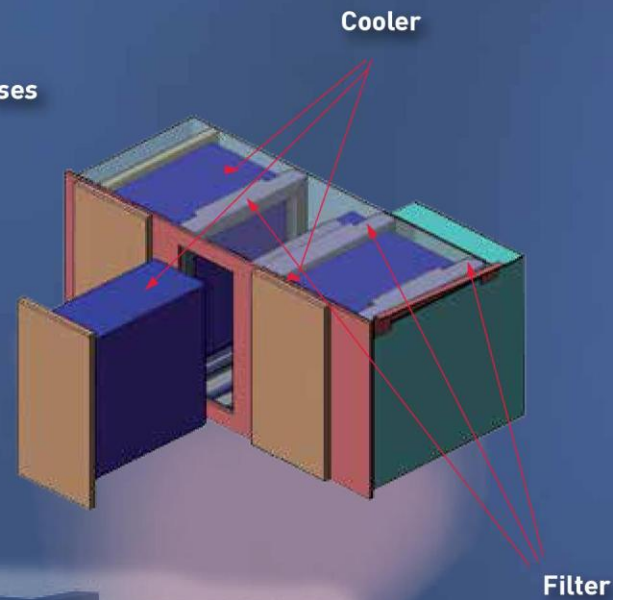
Cooling zone VisionXC nitro

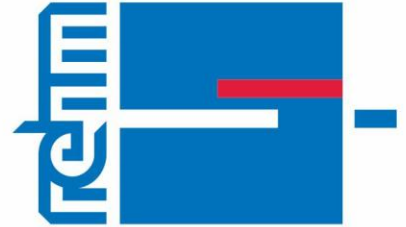
Cooling zone

Residue Management System

Residues which accumulate during soldering are separated by a new Residue Management System included in **VisionXC** systems. Depending on the system length it is equipped with a 1 up to 3-stage Residue Management System. Each stage consists of a cooling and a filter unit. With this combination liquid and crystalline residues can be drastically reduced. Out of this you gain the big advantage of a lower rate of maintenance intervals and a higher efficiency in working.

- **optimal cleaning**
- **reduced maintenance expenses**
- **easy accessibility**
- **integrated in the oven**





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Visu 2 - The User-friendly Software

User Friendliness

The menu of the Visu2-Software is clearly structured and intuitively. This avoids faulty operations and a better workflow can be achieved.

User Levels

With the Visu2-Software you can set optimally the rights for different user groups, e.g. for administrators, supervisors and users.

Online Documentation

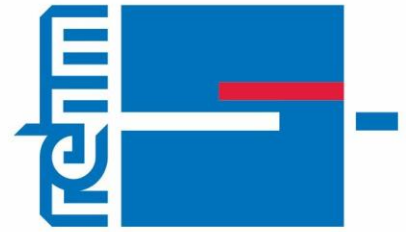
Extensive documentations (operating instructions, service instructions, wiring plan, etc.) are stored directly on the system computer and can be recalled in a comfortable and quick way.

More Tools

- + Multilingual Software
- + Data recording
- + Protocol Import/Export
- + Maintenance log



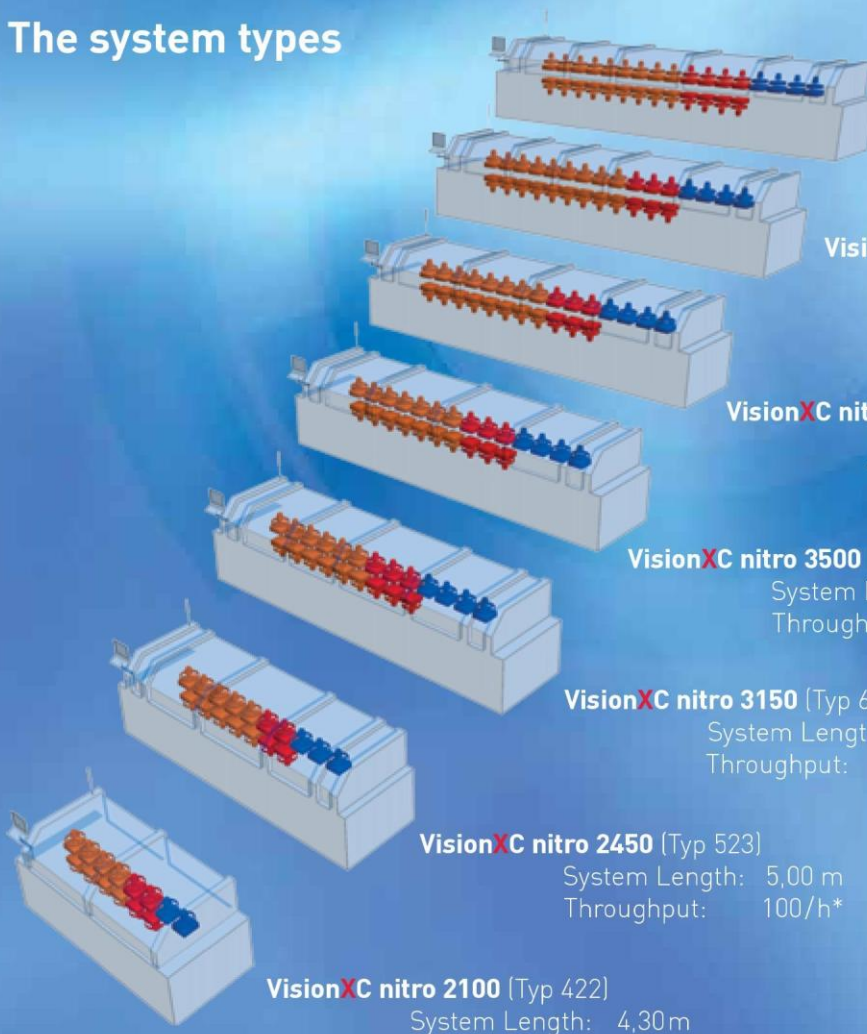
**Best thermal Performance
for best soldering results!**



THERMAL SYSTEMS

Modular design

The system types



VisionXC nitro 4550 (Typ 944)
System Length: 7,45m
Throughput: 200/h*

VisionXC nitro 4200 (Typ 934)
System Length: 7,10m
Throughput: 180/h*

VisionXC nitro 3850 (Typ 834)
System Length: 6,75m
Throughput: 160/h*

VisionXC nitro 3500 (Typ 734)
System Length: 6,40m
Throughput: 145/h*

VisionXC nitro 3150 (Typ 634)
System Length: 6,05m
Throughput: 130/h*

VisionXC nitro 2450 (Typ 523)
System Length: 5,00 m
Throughput: 100/h*

VisionXC nitro 2100 (Typ 422)
System Length: 4,30m
Throughput: 75/h*

Vision XC Air **
The air systems
2100 (Typ 422)
2450 (Typ 523)
3150 (Typ 634)
3500 (Typ 734)
3850 (Typ 834)
4200 (Typ 934)
4550 (Typ 944)

** system length 700 mm shorter than nitro version

*Approximate values at a PCB-length of 300mm and a distance of 100 mm.

Date of issue: June 2013. Technical changes without prior notice.